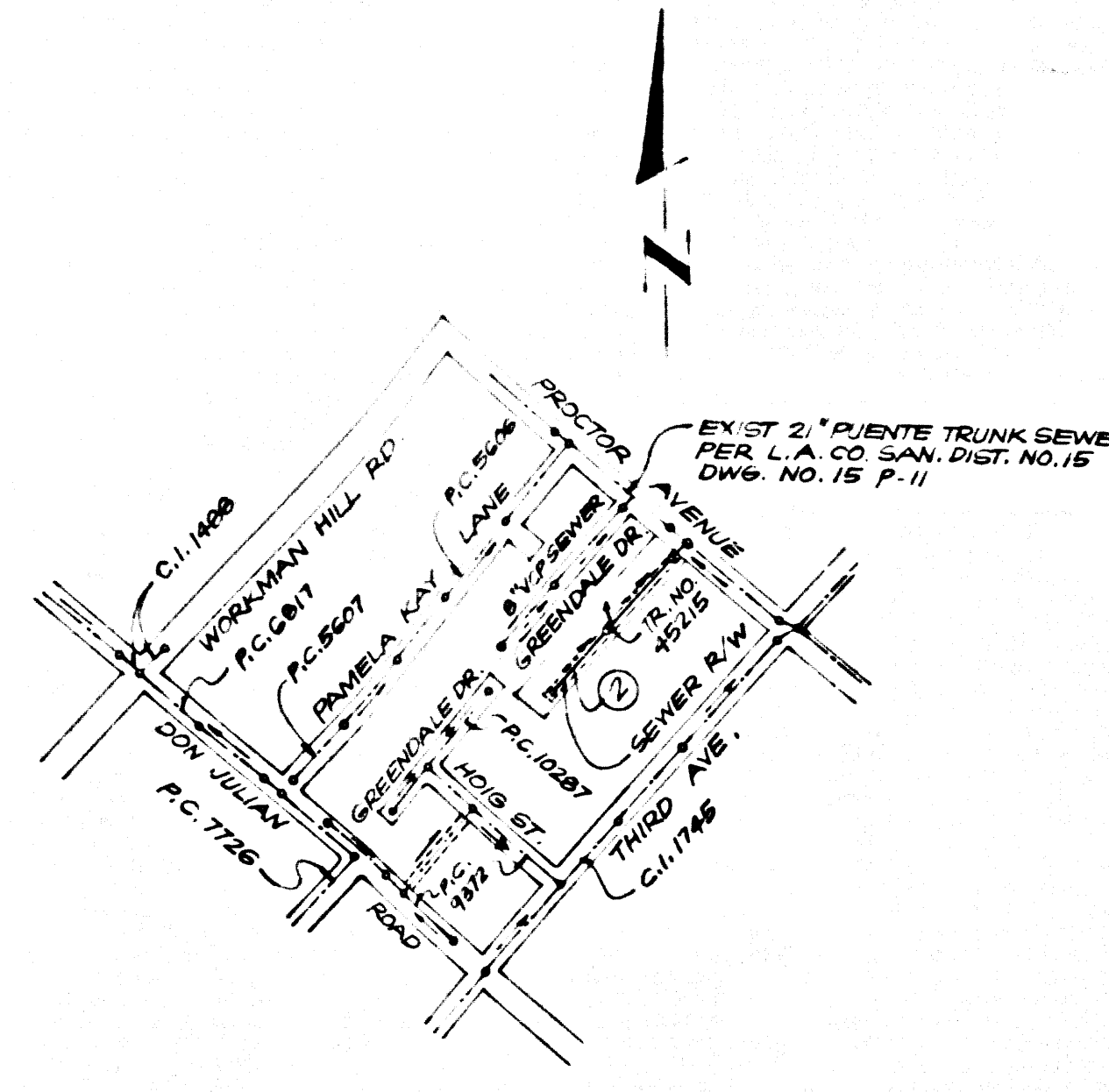


B.M. C.G. 2306 ELEV. 300.940
 - & T 5' FT FROM END OF CONC. WALK TO
 HOUSE NO. 19561 DON JULIAN RD. 50' HT.
 N & 75 FT W & INT. WITH WORKMAN RD.
 BASELINE QUAD. 19 15.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE THE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "UNDERGROUND SERVICE ALERT" AT 1-800-422-4133 TWO WORKING DAYS PRIOR TO ANY EXCAVATION OR CONSTRUCTION.

Elroy
 REGISTERED ENGINEER R.C.E. NO. 27766



INDEX MAP
 P.C. NO. 10821
 TRACT NO. 45215
 SCALE: 1" = 600'
 T.G. 48-B-4

REVISION NO. 1 DATE 2/19/89
 REVISE MAIN LINE SEWER ALIGNMENT FROM STA. 1+00.00 TO STA. 7+15.00
 PAGE 2

APPROVED: *Stacy C. Bal...*
 DEPT. OF PUBLIC WORKS

APPROVAL OF THIS PLAN BY THE LAND DEVELOPMENT DIVISION IS BASED ON A REVIEW BY AN ENGINEERING CONSULTANT UNDER CONTRACT WITH THE COUNTY OF LOS ANGELES.

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY THE SANITATION DISTRICTS FOR SAID CONNECTION.

BEFORE BREAKING INTO OR CONSTRUCTION ON A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE (818) 962-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.

- GENERAL NOTES:**
- ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929
 - NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS
 - NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK
 - GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN IN PLAN AND HOUSE LATERALS (GRADE POINTS) FOR TOP OF CURBS CENTERLINE OF STREETS OR CENTERLINE OF ALLEYS ARE SHOWN BY CIRCLES ON PROFILES AT ALL POINTS BETWEEN DESIGNATED POINTS
 - THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH GRADING SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND 1" OR 1/2" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLAINLY MARKED AS SHOWN ON THE PLANS. HOUSE LATERALS FROM CHIMNEYS SHALL NOT BE AT AN ANGLE OF LESS THAN 45° WITH THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER
 - THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL DEPTH AT THE PROPERTY LINE BELOW THE TOP OF CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET
 - BEFORE WORK BEGINS THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIVISION OF THE LOS ANGELES DEPARTMENT OF PUBLIC WORKS, PERMIT OFFICE NO. _____ AND PAY A FEE TO THE DIRECTOR OF PUBLIC WORKS, ROOM 3, FREEMONT AVE., ALHAMBRA, CALIFORNIA 91801 TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS
 - IF WORK IS TO BE DONE IN A STATE HIGHWAY A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA DIVISION OF HIGHWAYS, 120 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA
 - APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OF OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL PAGES
 - REFER TO SECTION 184.4 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY CONES
 - PRIOR TO THE ISSUANCE OF THE REQUIRED SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE DEPARTMENT OF PUBLIC WORKS COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS, A PERMIT FROM CALIFORNIA AND TRACES FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS, ROOM 3, FREEMONT AVE., ALHAMBRA, CALIFORNIA 91801, AND A PERMIT NUMBER AS THE CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY

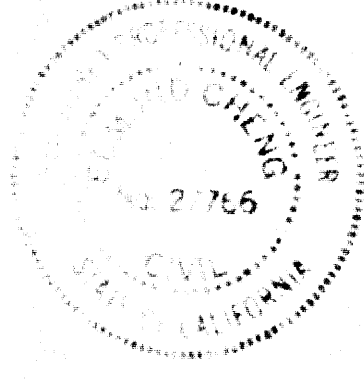
- CONSTRUCTION NOTES:**
- WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SECTION 184.4) AND SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED _____ AND SHALL BE PROTECTED ONLY IN THE PRESENCE OF THE DEPT. OF PUBLIC WORKS
 - THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE _____ AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT
 - HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 1 FEET BELOW CURB GRADE EXCEPT AS NOTED
 - PIPE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED
 - ALL STRUCTURES SHALL BE EITHER BRICK OR PRECAST CONCRETE MANHOLES PER S.D. SPECIFICATIONS UNLESS OTHERWISE NOTED
 - PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTERLINE OF EACH MANHOLE
 - MANHOLE DEPTH IN UNIMPROVED RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE
 - INVERTED CLAY PIPE JOINTS SHALL BE TYPE "O" OR "D" PER STANDARD SPECIFICATIONS SECTION 208-2
 - IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER THE SEWER SHALL BE ENCASED PER S.D. CASE II TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE
 - IF DURING THE COURSE OF CONSTRUCTION IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF AN MAINLINE OR HOUSE LATERAL V.C.P. SEWER WHICH IS NOT INDICATED ON THE PLANS THE PIPE SHALL BE ENCASED PER S.D. CASE II UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS
 - ALL JOINTS BETWEEN CAST IRON PIPE AND INVERTED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D" WITH RUBBER Gaskets PER STANDARD SPECIFICATIONS SECTION 208-2
 - SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 208-4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS
 - REINFORCE ALL TRENCHES WITHIN RAISED AREAS TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS
 - FULL COMPLIANCE WITH SECTION 208-1.2 OF THE STANDARD SPEC. WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPACTION AND SAND EQUIVALENTS BY A QUALIFIED REGISTERED TESTING LABORATORY SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF FINAL ACCEPTANCE
 - SPECIAL BACKFILL IN EASEMENT CONSTRUCTION (A) BACKFILL TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE GRADING PLAN APPROVED FOR THIS DEVELOPMENT BY THE LAND DEVELOPMENT DIVISION (B) ALL BACKFILL AND EARTH REPOSED SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER S.D. METHOD OF TEST OR 97% AT ALL MODIFIED ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION OF PUBLIC WORKS DEPARTMENT

SANITARY SEWERS

TO BE CONSTRUCTED IN
 TR. NO. 45215

PRIVATE CONTRACT NO. 10829
 INDEX U-48, H3

1 SHEET ; 2 PAGES



SCALE: HORIZ. 1" = 40' VERT. 1" = 4'

PREPARED IN THE OFFICES OF
 CHENG & ASSOCIATES, INC.
 710 S. GARFIELD AVE., ALHAMBRA, CA 91801
 TEL. (818) 292-2188

BY: *Stacy C. Bal...*
 REGISTERED ENGINEER R.C.E. NO. 27766
 EXP. 9/1980

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE DEPARTMENT OF PUBLIC WORKS SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:

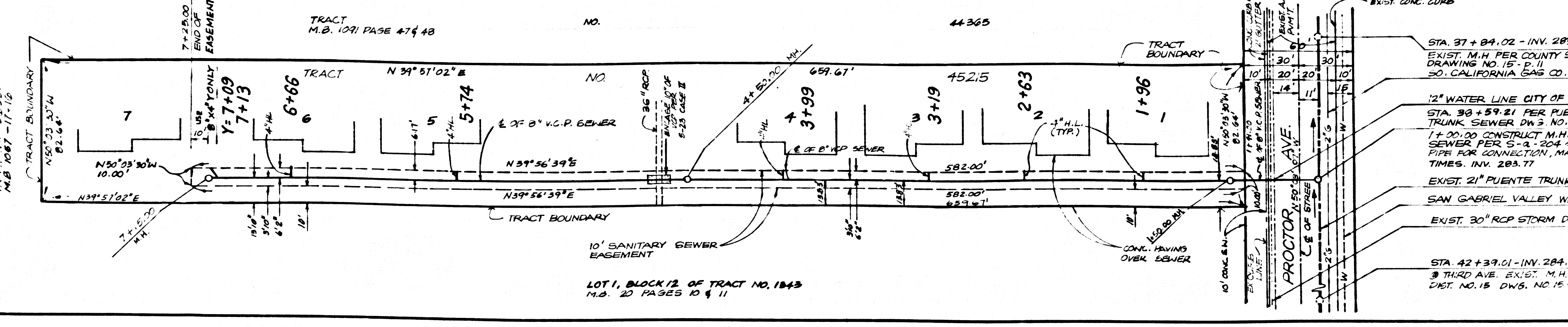
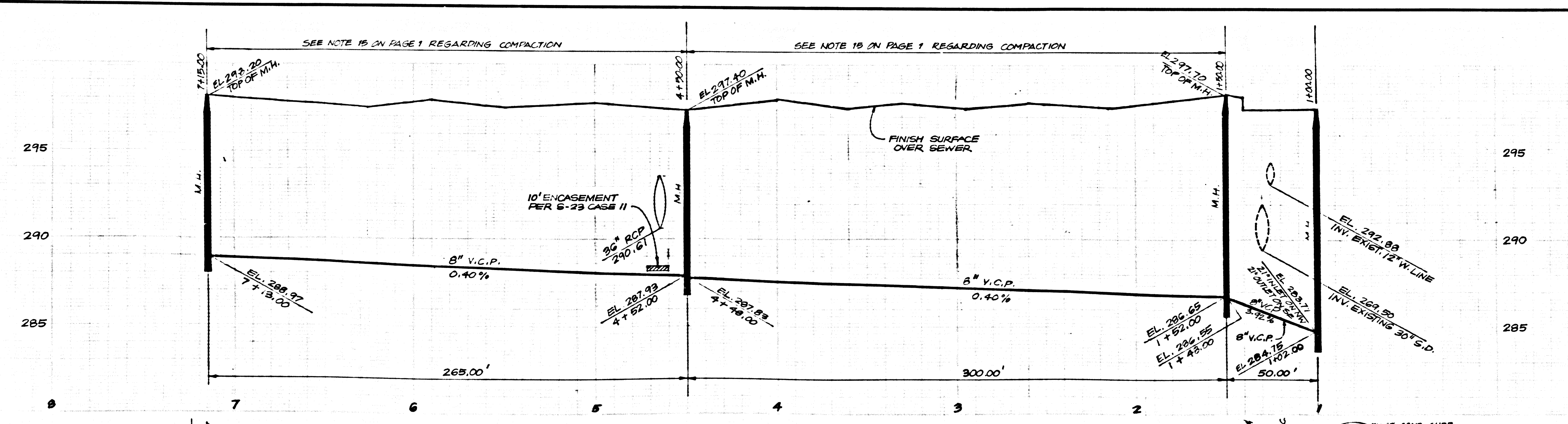
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BRICK MANHOLE	5-3
STANDARD MANHOLE STEP	5-17
READING FOR SEWER PIPE	5-21
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STANDARD MANHOLE TYPE "D"	5-19, 204
STANDARD MANHOLE FRAME & COVERS	5-19, 204

THOMAS A. TIDEMANSON
 DIRECTOR OF PUBLIC WORKS

APPROVED: *Dean J. Tolson* 3-2-89
 DATE

APPROVED: *Stacy C. Bal...*
 REGISTERED ENGINEER
 DATE 3/2/89

CHECKED: *Robert M. Smith*
 3/2
 REG. C.E. NO. 2350
 LA PUENTE BLDG. DIST. 2



NO L.A. COUNTY CHARGE FOR CONNECTION
 SEE SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES

- STA. 37 + 84.02 - INV. 289.70
 EXIST. M.H. PER COUNTY SAN. DIST. NO. 15
 50' CALIFORNIA S&G CO.
- 12" WATER LINE CITY OF INDUSTRY WATER WORKS
 STA. 38 + 89.81 PER PUENTE TRUNK SEWER
 TRUNK SEWER DN 3 NO. 15 - P.H. SAN. DIST. 15
 14-00.00 CONSTRUCT M.H. AROUND EX. 21" V.C.P.
 SEWER PER S.D. 18-1204 & S. 1.4 - 2007 REEVALUATE
 PIPE FOR CONNECTION, MAINTAIN SERVICE AT ALL
 TIMES. INV. 288.77
- EXIST. 21" PUENTE TRUNK SEWER
 SAN GABRIEL VALLEY WATER CO.
- EXIST. 30" RCP STORM DRAIN
- STA. 42 + 39.01 - INV. 284.20
 3' TRUSD. AVE. EXIST. M.H. PER COUNTY SAN.
 DIST. NO. 16 DWS. NO. 15 - P. 11

PS 80129 RISE 4 ON RT